PB-7

High Power Foldable PAR Bar

Item ref: 151.558UK

User Manual

> Please read through this manual thoroughly before use, any damage cause by misuse of product will not be covered by warranty.

Thank you for choosing this QTX PB-7 PAR bar. A foldable PAR bar kit fantastic for mobile DJs and performers who need their lighting to be quick to set up and easily transportable. This PAR bar boasts 4 high power Cans, each fitted with 7 x 3W RGB LEDs. Smooth colour blending can be achieved by controlling with the included foot controller or via DMX.

In the box:
Your PB-7 should arrive to you in two separate cartons in good condition.
Carton 1:
- PAR bar with 4 LED PAR Cans
- Foot controller
- Foam carry case
- 2 x IEC mains lead (UK and EU)
Carton 2:
- 35mmØ tripod stand
- Stand bag

Warning:
To prevent risk of fire or electric shock, do not expose the unit to rain or damp environments. In the event of a spillage, disconnect the mains and allow the unit to dry out naturally. Qualified personnel should then check the unit before continuing use.

> Please do not open cover, contain high voltage. This product is not serviceable or repairable by end user. Please refer to qualified personnel for service and repair.

- Always check the correct voltage and the condition of the IEC lead before connecting to a power outlet.
- Always ensure any DMX leads used are in good condition with no short connections or damaged plugs.

Setup:

Release the clasp that holds the top bar in the folded position and unfold to the open position as pictured below. There are two clasps at the back of the unit that need to be locked to keep the top bar in the open position.
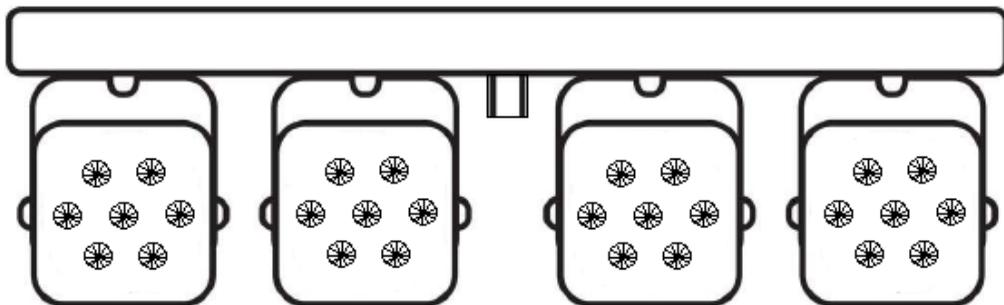
The opened top bar can now be place on to the supplied tripod stand and adjusted to desired height. Each LED PAR Can pans and tilts to face different directions and angles.

Back panel:
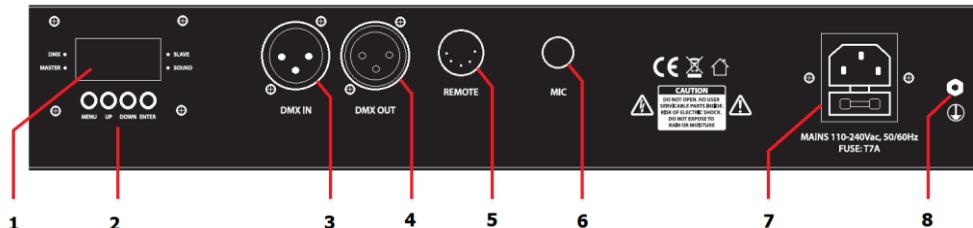
1. LCD Display
2. Manual control buttons
3. DMX signal in (DMX male socket)
4. DMX signal out (DMX female plug)
5. Foot controller socket
6. Built in mic
7. IEC socket
8. Earth connection screw
   DO NOT REMOVE

Manual control menu:
Press the "menu" button to enter the setting menu.
Press "up" and "down" to navigate through various setting options.
Press "enter" to enter the desired setting.
Choose set value by "up" and "down" buttons and confirm setting by pressing "enter".

Display	Mode	Press ENTER for setting
Addr	DMX address	ADD 1 to A5 12
Chnd	DMX channel mode	1Ch, 3Ch, 7Ch, 12Ch or 16Ch
SLnd	Slave mode	MASt = master, SL_1 = slave 1, SL_2 = slave 2
Shnd	Auto mode	Sh_0 to Sh_8
SoUn	Sound activation	on = sound to light on, oFF = sound to light off
SEnS	Microphone sensitivity	0 - 100 (0-100% gain)
bLnd	Blackout mode	no = on, YES = blackout
LEd	LED display dimmer	oFF = display off after 20s on = constant display
di SP	LED display inverted	di SP / d5i P (normal or inverted display)
tESt	Fixture test sequence	Fixture steps through all functions – press MENU to exit
hoUr	Fixture hours	Displays how many hours of use for the fixture

Operation:
The PB-7 can operate in stand-alone, master, slave or DMX modes.

Stand-alone/master/slave:
For stand-alone mode, first choose whether sound to light is required by selecting on or oFF from SoUn. Then select one of the eight pre-programmed modes from Shnd option Sh_1 to Sh_8, select Sh_0 for random chase option. Further PB-7 units can be controlled by one master unit allowing synchronization. Ensure the master unit slave mode SLnd is set as MASt and the controlled unit slave mode is set as SL_1 or SL_2. Connect DMX out from the master unit to the DMX in of the slave unit.

DMX mode:
The PB-7 can be control by DMX signal, simply connect the DMX signal source to the DMX in of the unit via a balanced XLR lead. Extra fixtures can be controlled by the same DMX signal by looping through the DMX out on the PB-7. Ensure the correct DMX start address is set from the Addr option on the manual control.

Foot Controller:
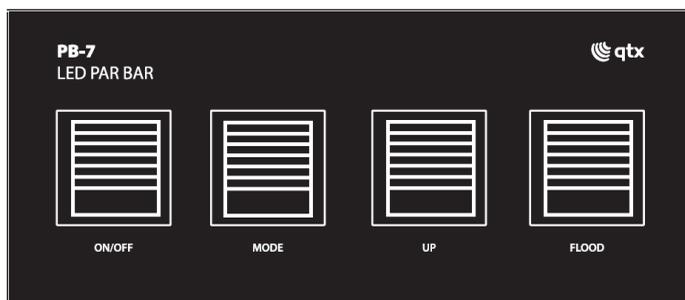
ON/OFF – Switches the PAR bar on and off
MODE – Scroll through all programmed modes
UP – Choose setting value

> coL 1 to coL8 are 8 preset colours
> Sh_1 to Sh_8 are the 8 pre-programmed chase patterns
> SP_1 to SP_8 are the speed option for the chase
> MASE, SL_1, SL_2 are the Master/Slave mode

FLOOD – press to give maximum light output

DMX channel value reference:
1 channel mode:

Channel	DMX Value	Function
Channel 1 sound to light active from 008-255	000-007	Black out
	008-037	Pre-programmed Chase 1
	038-067	Pre-programmed Chase 2
	068-097	Pre-programmed Chase 3
	098-127	Pre-programmed Chase 4
	128-157	Pre-programmed Chase 5
	158-187	Pre-programmed Chase 6
	188-217	Pre-programmed Chase 7
	218-247	Pre-programmed Chase 8
	248-255	Random Chase 1-8

3 channel mode:

Channel	DMX Value	Function
Channel 1	000-255	Red dimmer 000-0% to 255-100%
Channel 2	000-255	Green dimmer 000-0% to 255-100%
Channel 3	000-255	Blue dimmer 000-0% to 255-100%

7 channel mode:

Channel	DMX Value	Function
Channel 1	000-255	Red dimmer 000-0% to 255-100%
Channel 2	000-255	Green dimmer 000-0% to 255-100%
Channel 3	000-255	Blue dimmer 000-0% to 255-100%
Channel 3	000-255	Master dimmer 000-0% to 255-100%
Channel 5	000-007	N/A
	008-247	Strobe, speed 0%-100%
	248-255	Sound to light strobe
Channel 6	000-007	N/A
	008-022	Preset colour change 1
	023-037	Preset colour change 2
	038-052	Preset colour change 3
	053-067	Preset colour change 4
	068-082	Preset colour change 5
	083-097	Preset colour change 6
	098-112	Preset colour change 7
	113-127	Preset colour change 8
	128-142	Preset colour change 9
	143-157	Preset colour change 10
	158-172	Preset colour change 11
	173-187	Preset colour change 12
	188-202	Preset colour change 13
	203-217	Preset colour change 14
	218-232	Preset colour change 15
	233-247	Preset colour change 16
	248-255	Colour chase to sound
Channel 7	000-007	N/A
	008-255	Colour change speed 0-100%

12 channel mode:

Channel	DMX Value	Function
Channel 1	000-255	PARcan1 Red dimmer 0-0% to 255-100%
Channel 2	000-255	PARcan1 Green dimmer 0-0% to 255-100%
Channel 3	000-255	PARcan1 Blue dimmer 0-0% to 255-100%

Channel 4	000-255	PARcan2 Red dimmer 0-0% to 255-100%
Channel 5	000-255	PARcan2 Green dimmer 0-0% to 255-100%
Channel 6	000-255	PARcan2 Blue dimmer 0-0% to 255-100%
Channel 7	000-255	PARcan3 Red dimmer 0-0% to 255-100%
Channel 8	000-255	PARcan3 Green dimmer 0-0% to 255-100%
Channel 9	000-255	PARcan3 Blue dimmer 0-0% to 255-100%
Channel 10	000-255	PARcan4 Red dimmer 0-0% to 255-100%
Channel 11	000-255	PARcan4 Green dimmer 0-0% to 255-100%
Channel 12	000-255	PARcan4 Blue dimmer 0-0% to 255-100%

16 channel mode:

Channel	DMX Value	Function
Channel 1	000-255	PARcan1 Red dimmer 0-0% to 255-100%
Channel 2	000-255	PARcan1 Green dimmer 0-0% to 255-100%
Channel 3	000-255	PARcan1 Blue dimmer 0-0% to 255-100%
Channel 4	000-255	PARcan2 Red dimmer 0-0% to 255-100%
Channel 5	000-255	PARcan2 Green dimmer 0-0% to 255-100%
Channel 6	000-255	PARcan2 Blue dimmer 0-0% to 255-100%
Channel 7	000-255	PARcan3 Red dimmer 0-0% to 255-100%
Channel 8	000-255	PARcan3 Green dimmer 0-0% to 255-100%
Channel 9	000-255	PARcan3 Blue dimmer 0-0% to 255-100%
Channel 10	000-255	PARcan4 Red dimmer 0-0% to 255-100%
Channel 11	000-255	PARcan4 Green dimmer 0-0% to 255-100%

Channel 12	000-255	PARcan4 Blue dimmer 0-0% to 255-100%
Channel 13	000-255	Master dimmer 0-0% to 255-100%
Channel 14	000-007	N/A
	008-247	Strobe, speed 0%-100%
	248-255	Sound to light strobe
Channel 15	000-007	N/A
	008-022	Preset colour change 1
	023-037	Preset colour change 2
	038-052	Preset colour change 3
	053-067	Preset colour change 4
	068-082	Preset colour change 5
	083-097	Preset colour change 6
	098-112	Preset colour change 7
	113-127	Preset colour change 8
	128-142	Preset colour change 9
	143-157	Preset colour change 10
	158-172	Preset colour change 11
	173-187	Preset colour change 12
	188-202	Preset colour change 13
	203-217	Preset colour change 14
	218-232	Preset colour change 15
	233-247	Preset colour change 16
	248-255	Colour chase to sound
Channel 16	000-007	N/A
	008-255	Colour change speed 0-100%

Specifications

Power	110-240Vac, 50/60Hz (IEC)
Power consumption	100W
Fuse rating	T7A
LED type	3W RGB
Beam angle	25°
DMX channels	1, 3, 7, 12 or 16
Maximum height	1.69m
Dimensions : PAR bar	1140 x 290 x 60mm
Dimensions : collapsed	570 x 290 x 120mm
Dimensions : carry bag	700 x 430 x 280mm
Weight : carry bag when full	10.8kg
Weight : stand	2.55kg
LED safety standard	BSEN62471:2008

Troubleshooting

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check IEC lead and fuse (if fuse continually blows, refer to your dealer)
No LED display	Press any control panel button and check LED setting in menu
No light output	Check control panel mode settings (standby, slave, sensitivity, DMX)
	Check DMX settings from controller (dimmer levels, blackout etc.)
No strobe output	Check strobe settings on control panel or from DMX controller
Unresponsive to DMX	Check DMX connection and leads
	Check that DMX mode is enabled (set "Addr" on control panel)
Overheating/ cutting out	Ensure that the unit is not too close to a heat source

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Errors and omissions excepted.